

*sub A/B*

## WHAT IS CLAIMED IS:

- sub C/D*
1. A controlled debris perforating system, comprising:  
2      a pre-fragmented shaped charge having a charge case and an explosive  
3      material.
  1. The controlled debris perforating system of claim 1, wherein the charge  
2      case defines at least one slot.
  1. The controlled debris perforating system of claim 2, wherein the at least  
2      one slot is axially oriented.
  1. The controlled debris perforating system of claim 2, wherein the at least  
2      one slot is circumferentially oriented.
  1. The controlled debris perforating system of claim 2, wherein the at least  
2      one slot is a U-notched groove.
  1. The controlled debris perforating system of claim 2, wherein the at least  
2      one slot is a V-notched groove.
  1. The controlled debris perforating system of claim 2, wherein the at least  
2      one slot is an external slot.
  1. The controlled debris perforating system of claim 2, wherein the at least  
2      one slot is an internal slot.
  1. A method of controlling the debris during perforating, comprising:  
2      providing a pre-fragmented shaped charge having a charge case defining a  
3      plurality of grooves.
  1. The method of claim 9, wherein the plurality of grooves are axially  
2      oriented.
- B*

*(Redacted)*

1        11. The method of claim 9, wherein the plurality of grooves are  
2        circumferentially oriented.

*(Redacted)*

1        12. A shaped charge made by a process, comprising:  
2              inserting an explosive into a case;  
3              inserting a liner over the main body of explosive; and  
4              machining a plurality of slots in the case.

1        13. The shaped charge made by the process of claim 12, wherein the plurality  
2        of slots are U-notched grooves.

1        14. The shaped charge made by the process of claim 12, wherein the plurality  
2        of slots are V-notched grooves.

1        15. The shaped charge made by the process of claim 12, wherein the plurality  
2        of slots are machined externally.

1        16. The shaped charge made by the process of claim 12, wherein the plurality  
2        of slots are machined internally.

*(Redacted)*

1        17. A method of using one or more pre-fragmented shaped charges in a well,  
2        comprising:  
3              providing a perforating string having one or more pre-fragmented shaped  
4              charges; and  
5              conveying the perforating string into the well.

1        18. The method of claim 17, wherein the perforating string comprises a  
2        loading tube and carrier.

1        19. The method of claim 17, wherein the perforating string comprises a spiral  
2        gun.

1        20. The method of claim 17, wherein the perforating string comprises a strip  
2        gun.